

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. – 30. (Canceled)

31. (New) A method for managing mobility of a wireless station (STA), the STA capable of functioning in a network of Extended Service Sets (ESS) including a first ESS having a first Access Router (AR-1) and a second ESS having a second Access Router (AR-2), the method comprising:

the AR-2 authenticating and authorizing the STA;

the AR-2 notifying the AR-1 of the authentication of the STA based upon a home address of the STA in the first ESS and a care-of-address of the STA in the second ESS received from the STA, wherein the STA has an active session with the first ESS;

the AR-2 receiving rerouted traffic from the AR-1 in response to the notification to the AR-1 and a Mobile Internet Protocol (MIP) handoff procedure initiated by the AR-1; and

the AR-2 restoring the active session to the STA.

32. (New) The method of claim 31, wherein the notification of the AR-1 is further based on a Basic Service Set Identifier (BSS ID) and Extended Service Set identity (ESS-ID).

33. (New) The method of claim 31, further comprising:
querying a database of the first ESS to retrieve an address of the STA.

34. (New) The method of claim 33, wherein the address of the STA is an Internet protocol (IP) address.

35. (New) The method of claim 33, wherein the address of the STA is a Mobile Internet Protocol (MIP) address.